



DuPage County Health Department R E V I E W

Volume 1, No. 3

December 2005



111 North County Farm Road
Wheaton, IL 60187
(630) 682-7400
www.dupagehealth.org

Linda Kurzawa
President, Board of Health

Maureen McHugh
Interim Executive Director

Rashmi Chugh, MD, MPH
Medical Officer

Contact Information

Communicable Disease
(630) 682-7979, ext. 7553

Environmental Health
(630) 682-7979, ext. 7046

Immunizations
(630) 682-7400

Sexually Transmitted Diseases
(630) 682-7979, ext. 7575

HIV/AIDS
(630) 682-7979, ext. 7310

Tuberculosis
(630) 682-7522

School Health
(630) 682-7979, ext. 7300

Travel Clinic
(630) 682-7979, ext. 7590

Animal Control
(630) 407-2800

Please contact Shaun Nelson, MPH
at (630) 682-7979, ext. 7175 or
snelson@dupagehealth.org to
send suggestions or to be added
to the distribution list.

The purpose of this two-page surveillance update is to promote the control and prevention of **communicable disease (CD)** by providing clinically relevant information and resources to healthcare professionals in DuPage County.



Under the Microscope HIV/AIDS

Since 1988, **December 1st** has marked the observance of **World AIDS Day**, as an annual worldwide event established by the World Health Organization to increase awareness and education regarding human immunodeficiency virus (HIV) infection and acquired immunodeficiency syndrome (AIDS). In 2003, *more than 1 million persons in the United States were estimated to be living with HIV infection, with an estimated 40,000 new HIV infections occurring each year.*

As a result of advances in treatment with highly active antiretroviral therapy since 1996, HIV-infected persons are living longer, and progression to AIDS has decreased. Consequently, AIDS surveillance no longer provides accurate population-based monitoring of the current HIV epidemic, and the Centers for Disease Control and Prevention (CDC) has recommended that all states and territories adopt confidential, name-based surveillance systems to report HIV infection.¹ **Beginning January 1, 2006, HIV reporting in Illinois will change from patient code identifiers to confidential, name-based reporting (toward consistent nationwide HIV reporting).**

The CDC's initiative, *Advancing HIV Prevention*, consists of four key strategies:²

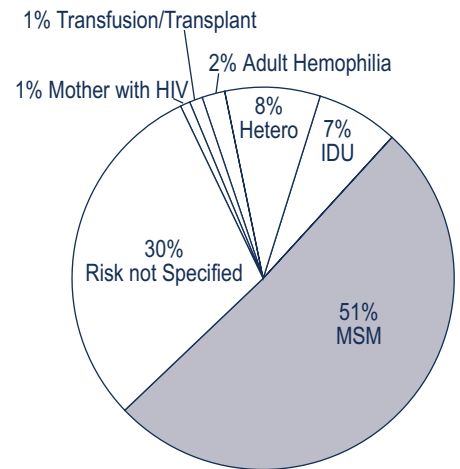
1. Make HIV testing a routine part of medical care.
2. Implement new models for diagnosing HIV infections outside medical settings.
3. Prevent new infections by working with persons diagnosed with HIV and their partners.
4. Further decrease perinatal HIV transmission.

Clinicians' efforts to *promote risk-reduction counseling and HIV/STD screening, diagnosis and treatment should all be routine and integral components of patient care, toward preventing HIV transmission and controlling the HIV epidemic.*³

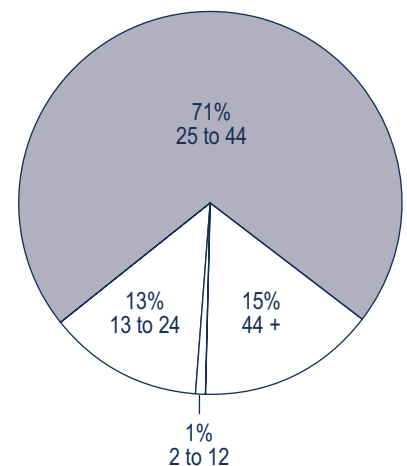
1. CDC. Trends in HIV/AIDS Diagnoses - 33 States, 2001-2004. MMWR 2005; 45:1149-1176
2. www.cdc.gov/hiv/prev_prog/AHP
3. Human Immunodeficiency Virus Infection Prevention: Strategies for Clinicians *Clinical Infectious Diseases* 2003 May 1;36(9):1171-6

To receive copies of the revised, confidential HIV case report form please contact the DuPage County Health Department HIV/AIDS Program: (630) 682-7979, ext. 7042.

Diagnosed HIV Cases in DuPage County by Risk Factor, 2001 - 2004 (n=107)



Diagnosed HIV Cases in DuPage County by Age of Diagnosis (in years), 2001 - 2004 (n=107)



DUPAGE COUNTY HEALTH DEPARTMENT

CASES¹ OF REPORTABLE DISEASES*

Required by the Illinois Department of Public Health (IDPH)

* Last updated July 2002

CD REVIEW

Volume 1, No. 3 December 2005

Vaccine Preventable Diseases	Report Within	2005		2004		2003		2002		2001		Median	
		Nov 2005	Jan-Nov	Jan-Nov	Total	Jan-Nov	Total	Jan-Nov	Total	Jan-Nov	Total	Jan-Nov	Total ('01-'04)
Chickenpox in those < 20 yrs old	7 days	24	212	259	273	295	342	872	939	710	934	295	638
Chickenpox in those > 20 yrs old	24 hrs	0	5	11	13	10	10	24	27	NR ²	NR ²	11	13
Diphtheria	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
<i>Haemophilus influenzae</i>	24 hrs	0	9	5	5	4	4	10	11	6	7	6	6
Hepatitis A	24 hrs	0	8	24	27	19	20	9	11	30	32	19	24
Hepatitis B	7 days	0	5	8	8	12	12	14	14	14	15	15	13
Hepatitis B (carriers)	7 days	3	134	130	146	127	136	188	199	238	268	134	173
Measles	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Mumps	7 days	0	0	2	2	2	3	3	3	3	3	2	3
<i>Neisseria meningitidis</i>	24 hrs	0	3	1	1	1	1	5	5	3	3	3	2
Pertussis	24 hrs	1	25	123	127	12	13	10	12	10	12	12	13
Polio	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	7 days	0	0	0	0	0	0	0	1	0	0	0	0
Streptococcus pneumoniae, invasive disease ³	7 days	4	58	54	62	78	97	57	65	42	54	58	65
Tetanus	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Other Communicable Diseases													
Amebiasis	7 days	0	0	3	5	2	2	2	3	3	3	2	3
Anthrax	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Blastomycosis	7 days	0	5	5	6	7	7	6	6	4	4	5	6
Botulism, foodborne	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Botulism, other	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Brucellosis	7 days	0	1	0	0	0	0	1	1	0	0	0	0
Campylobacteriosis ³	7 days	11	143	128	143	128	146	139	153	131	143	131	145
Cholera	24 hrs	0	0	0	0	1	1	0	0	0	0	0	0
Cryptosporidiosis	7 days	0	3	2	2	4	4	4	4	12	12	4	4
Cyclosporiasis	7 days	0	1	26	26	0	0	0	0	0	0	0	0
Diarrhea of the newborn	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Ehrlichiosis	7 days	0	0	0	0	1	1	0	0	0	0	0	0
Encephalitis ⁴	7 days	0	5	0	0	1	1	2	2	5	6	2	2
Enteric <i>E. coli</i> infections ⁵	24 hrs	2	17	20	21	5	5	22	24	14	16	17	19
Giardiasis	7 days	2	43	55	59	82	88	68	71	65	74	65	73
Glomerulonephritis	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Hantavirus pulmonary syndrome	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Hemolytic uremic syndrome	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis C (cases & carriers) ³	7 days	7	199	161	189	177	193	206	223	129	157	177	191
Hepatitis, viral, other ⁶	7 days	0	0	1	1	0	0	0	0	0	0	0	0
Histoplasmosis	7 days	0	0	5	6	1	2	4	4	2	3	2	4
Legionnaires' disease	7 days	0	4	4	5	7	8	3	5	3	3	4	5
Leprosy	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis	7 days	0	1	0	0	0	0	1	1	0	0	0	0
Listeriosis	7 days	0	2	2	2	2	2	0	0	1	1	2	2
Lyme disease	7 days	0	10	9	9	6	9	7	8	3	3	7	9
Malaria	7 days	0	5	7	8	4	4	3	3	2	2	4	4
Meningitis, aseptic ⁴	7 days	3	112	144	158	164	174	116	122	90	137	116	148
Ophthalmia neonatorum	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Plague	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Psittacosis	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Q fever ⁷	3 hrs	0	0	1	1	0	0	1	1	0	0	0	1
Rabies, human case	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Rabies, potential exposure	24 hrs	0	23	17	18	10	10	26	26	10	11	17	15
Reye syndrome	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Rheumatic fever	24 hrs	0	1	0	0	0	0	0	0	0	0	0	0
Rocky Mountain spotted fever	7 days	0	0	1	1	0	0	0	0	0	0	0	0
Salmonellosis	7 days	6	107	100	107	96	99	104	111	91	93	100	103
Shigellosis	7 days	0	28	15	15	43	44	39	41	31	32	31	37
Smallpox	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
<i>Staphylococcus aureus</i> (in those < 28 days old)	7 days	1	3	4	4	2	2	1	1	0	0	2	2
<i>Staphylococcus aureus</i> (vancomycin-resistant)	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Streptococcal infections, group A invasive	24 hrs	0	6	14	15	21	22	12	12	19	21	14	18
Streptococcal infections, group B invasive (in those < 3 mos old)	7 days	0	3	1	1	3	3	1	1	0	0	1	1
Toxic shock syndrome ⁸	24 hrs	0	2	0	0	4	4	2	2	2	2	2	2
Trichinosis	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	7 days	2	32	46	50	52	67	31	33	43	46	43	48
Tularemia	3 hrs	0	0	0	0	0	0	0	0	0	0	0	0
Typhoid fever	24 hrs	0	2	2	2	1	1	3	3	3	3	2	3
Typhus	24 hrs	0	0	0	0	0	0	0	0	0	0	0	0
West Nile disease	7 days	0	47	5	5	4	4	44	44	0	0	5	5
Yersiniosis	7 days	0	2	2	2	0	0	1	1	2	2	2	2
STDs, HIV and AIDS													
AIDS (Jan - Oct) ⁹	7 days	---	21	18	21	19	20	22	28	28	30	21	25
Chancroid	7 days	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydia	7 days	83	1150	880	948	835	939	841	904	763	837	841	922
Gonorrhea	7 days	18	187	197	210	184	209	214	234	214	230	197	220
HIV infection (Jan - Oct) ⁹	7 days	---	18	24	26	24	28	18	23	25	30	24	27
Syphilis	7 days	3	14	8	9	18	18	8	10	7	10	8	10

DuPage County healthcare providers and hospitals **must report any suspected or confirmed case of these diseases** to the local health authorities within the number of hours or days indicated.

REPORTING NUMBERS:

Communicable Diseases
(630) 682-7979, ext. 7553
24 hours: (630) 682-7400

Tuberculosis
(630) 682-7522

STDs
(630) 682-7979, ext. 7575

HIV/AIDS:
(630) 682-7979, ext. 7310

¹ Provisional cases, based on date of onset

² Not reported

³ Disease not reportable until April 2001; data do not include cases from Jan 1, 2001 through March 31, 2001.

⁴ Excludes West Nile disease

⁵ O157:H7, STEC, EHEC, ETEC, EPEC

⁶ Includes hepatitis D and E

⁷ Q fever cases in 2002 and 2004 not related to any suspected bioterrorism threat or event

⁸ Includes streptococcal (reportable within 24 hours) and presumed staphylococcal (reportable within 7 days)

⁹ HIV/AIDS data are provided quarterly by IDPH and are provisional, based on date of diagnosis

Websites

CDC:
www.cdc.gov

IDPH:
www.idph.state.il.us

DuPage:
www.dupagehealth.org